7. LAMPIRAN

Lampiran 1. Uji Statistik Kimia Mie Instan Kering Bekatul

Tests of Normality

	konsentrasi	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
air	kontrol	.158	6	.200(*)	.959	6	.813
	10%	.209	6	.200(*)	.928	6	.565
	15%	.196	6	.200(*)	.934	6	.610
	20%	.193	6	.200(*)	.931	6	.584
abu	kontrol	.277	6	.166	.844	6	.142
	10%	.283	6	.145	.912	6	.452
	15%	.265	6	.200(*)	.914	6	.461
	20%	.227	6	.200(*)	.860	6	.190
protein	kontrol	.305	6	.086	.750	6	.020
	10%	.172	6	.200(*)	.911	6	.446
	15%	.291	6	.123	.885	6	.291
	20%	.272	6	.186	.847	6	.148
lemak	kontrol	.145	6	.200(*)	.978	6	.939
	10%	.202	6	.200(*)	.888	6	.306
	15%	.204	6	.200(*)	.927	6	.556
	20%	.240	6	.200(*)	.934	6	.612
serat_kasar	kontrol	.197	6	.200(*)	.915	6	.471
	10%	.206	6	.200(*)	.872	6	.234
	15%	.269	6	.198	.853	6	.166
	20%	.242	6	.200(*)	.937	6	.636
karbohidrat	kontrol	.221	6	.200(*)	.911	6	.445
	10%	.173	6	.200(*)	.905	6	.401
	15%	.223	6	.200(*)	.940	6	.659
	20%	.148	6	.200(*)	.969	6	.883
antioksidan	kontrol	.175	6	.200(*)	.958	6	.806
	10%	.191	6	.200(*)	.947	6	.718
	15%	.215	6	.200(*)	.935	6	.622
	20%	.201	6	.200(*)	.941	6	.665
NDF	kontrol	.254	6	.200(*)	.866	6	.212
	10%	.205	6	.200(*)	.961	6	.830
	15%	.254	6	.200(*)	.866	6	.212
	20%	.223	6	.200(*)	.908	6	.421

* This is a lower bound of the true significance.
a Lilliefors Significance Correction

air

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
20%	6	5.9667			
15%	6		6.3967		
10%	6			6.8867	
kontrol	6				7.3467
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

lemak

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
kontrol	6	1.6603			
10%	6		2.5763		
15%	6			3.2762	
20%	6				4.1688
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

abu

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
kontrol	6	1.5475			
10%	6		1.7877		
15%	6			2.2982	
20%	6				2.8450
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

serat_kasar

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
kontrol	6	.8173			
10%	6		1.2067		
15%	6			1.3243	
20%	6				1.5097
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

protein

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
kontrol	6	11.8375			
10%	6		14.0563		
15%	6			15.0165	
20%	6				15.8807
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

karbohidrat

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
20%	6	69.6267			
15%	6		71.6883		
10%	6			73.4867	
kontrol	6				76.7917
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

antioksidan

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
kontrol	6	.8508			
10%	6		7.1750		
15%	6			7.6200	
20%	6				10.3200
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

NDF

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
kontrol	6	1.4333			
10%	6		3.2333		
15%	6			5.1333	
20%	6				7.4333
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

Lampiran 2. Uji Statistik Fisik Mie Instan Kering

Tests of Normality(b,c,d)

	konsentrasi	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
cooking_loss	kontrol	.205	6	.200(*)	.901	6	.378
	10%	.175	6	.200(*)	.984	6	.968
	15%	.163	6	.200(*)	.981	6	.956
cooking_yield	kontrol	.214	6	.200(*)	.958	6	.804
	10%	.302	6	.094	.775	6	.035
	15%	.293	6	.117	.822	6	.091
kelentingan	kontrol	.228	6	.200(*)	.884	6	.289
	10%	.208	6	.200(*)	.897	6	.357
	15%	.312	6	.070	.722	6	.011

* This is a lower bound of the true significance.
a Lilliefors Significance Correction
b There are no valid cases for cooking_loss when konsentrasi = 4.000. Statistics cannot be computed for this level.
c There are no valid cases for cooking_yield when konsentrasi = 4.000. Statistics cannot be computed for this level.
d There are no valid cases for kelentingan when konsentrasi = 4.000. Statistics cannot be computed for this level.

cooking_loss

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
kontrol	6	1.0730			
10%	6		1.2192		
15%	6			1.3068	
20%	6				1.4833
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

cooking_yield

Duncan

konsentrasi	N	Subset for alpha = .05			
		1	2	3	4
20%	6	213.3333			
15%	6		226.6667		
10%	6			234.1667	
kontrol	6				249.1667
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

kelentingan

Duncan

konsentrasi	N	Subset for alpha = .05	
		1	2
15%	6	.5626	
10%	6	.6957	
kontrol	6		1.1198
Sig.		.355	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000
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Lampiran 3. Uji Statistik Kadar Air Mie Instan Kering selama Penyimpanan

Tests of Normality

	kemasan	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
titik_nol	0% opp/cpp	.131	6	.200(*)	.993	6	.995
	0% opp/cpp/m	.131	6	.200(*)	.993	6	.995
	10% opp/cpp	.207	6	.200(*)	.890	6	.317
	10% opp/cpp/m	.207	6	.200(*)	.890	6	.317
titik_satu	0% opp/cpp	.294	6	.114	.814	6	.078
	0% opp/cpp/m	.281	6	.149	.884	6	.289
	10% opp/cpp	.198	6	.200(*)	.925	6	.543
	10% opp/cpp/m	.286	6	.136	.869	6	.222
titik_dua	0% opp/cpp	.205	6	.200(*)	.886	6	.297
	0% opp/cpp/m	.284	6	.141	.903	6	.390
	10% opp/cpp	.168	6	.200(*)	.975	6	.923
	10% opp/cpp/m	.292	6	.120	.845	6	.144
titik_tiga	0% opp/cpp	.182	6	.200(*)	.949	6	.730
	0% opp/cpp/m	.248	6	.200(*)	.828	6	.103
	10% opp/cpp	.255	6	.200(*)	.898	6	.365
	10% opp/cpp/m	.224	6	.200(*)	.900	6	.375
titik_empat	0% opp/cpp	.180	6	.200(*)	.912	6	.449
	0% opp/cpp/m	.223	6	.200(*)	.923	6	.530
	10% opp/cpp	.227	6	.200(*)	.896	6	.350
	10% opp/cpp/m	.291	6	.124	.877	6	.255
titik_lima	0% opp/cpp	.204	6	.200(*)	.973	6	.914
	0% opp/cpp/m	.322	6	.051	.862	6	.194
	10% opp/cpp	.290	6	.125	.833	6	.115
	10% opp/cpp/m	.285	6	.138	.838	6	.124
titik_enam	0% opp/cpp	.165	6	.200(*)	.977	6	.938
	0% opp/cpp/m	.227	6	.200(*)	.935	6	.621
	10% opp/cpp	.180	6	.200(*)	.964	6	.850
	10% opp/cpp/m	.164	6	.200(*)	.959	6	.812
titik_tuju	0% opp/cpp	.216	6	.200(*)	.900	6	.371
	0% opp/cpp/m	.180	6	.200(*)	.976	6	.930
	10% opp/cpp	.218	6	.200(*)	.905	6	.406
	10% opp/cpp/m	.235	6	.200(*)	.912	6	.446
titik_sembilan	0% opp/cpp	.279	6	.159	.915	6	.467
	0% opp/cpp/m	.217	6	.200(*)	.895	6	.343
	10% opp/cpp	.290	6	.126	.851	6	.160
	10% opp/cpp/m	.179	6	.200(*)	.912	6	.449

* This is a lower bound of the true significance.
a Lilliefors Significance Correction

titik_nol

Duncan

kemasan	N	Subset for alpha = .05	
		1	2
10% opp/cpp	6	6.7417	
10% opp/cpp/m	6	6.7417	
0% opp/cpp	6		7.3333
0% opp/cpp/m	6		7.3333
Sig.		1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

titik_satu

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/m	6	7.1998			
10% opp/cpp	6		7.3373		
0% opp/cpp/m	6			7.5810	
0% opp/cpp	6				7.7204
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

titik_dua

Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
10% opp/cpp/m	6	7.4017		
10% opp/cpp	6		7.8882	
0% opp/cpp/m	6		7.9202	
0% opp/cpp	6			8.4999
Sig.		1.000	.592	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

titik_tiga

Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
10% opp/cpp/m	6	7.7066		
0% opp/cpp/m	6		8.2709	
10% opp/cpp	6		8.3308	
0% opp/cpp	6			9.1417
Sig.		1.000	.161	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

titik_empat

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/m	6	8.0782			
0% opp/cpp/m	6		8.5474		
10% opp/cpp	6			8.9991	
0% opp/cpp	6				9.7863
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

titik_lima

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/m	6	8.3017			
0% opp/cpp/m	6		8.8164		
10% opp/cpp	6			9.8644	
0% opp/cpp	6				10.4814
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000

titik_enam

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/m	6	8.4621			
0% opp/cpp/m	6		9.1580		
10% opp/cpp	6			10.0549	
0% opp/cpp	6				11.0534
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed
a Uses Harmonic Mean Sample Size = 6.00

titik_tujuh

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/m	6	8.6755			
0% opp/cpp/m	6		9.4289		
10% opp/cpp	6			11.0172	
0% opp/cpp	6				11.5981
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

titik_sembilan

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/m	6	9.1225			
0% opp/cpp/m	6		9.9629		
10% opp/cpp	6			11.2035	
0% opp/cpp	6				11.6916
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000

nol_opp_cpp

Duncan

titik	N	Subset for alpha = .05							
		1	2	3	4	5	6	7	8
titik nol	6	7.3333							
titik 1	6		7.7204						
titik 2	6			8.4999					
titik 3	6				9.1417				
titik 4	6					9.7863			
titik 5	6						10.4814		
titik 6	6							11.0534	
titik 7	6								11.5981
titik 9	6								11.6916
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	.117

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

nol_opp_cpp_m

Duncan

titik	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
titik nol	6	7.3333								
titik 1	6		7.5810							
titik 2	6			7.9202						
titik 3	6				8.2709					
titik 4	6					8.5474				
titik 5	6						8.8164			
titik 6	6							9.1580		
titik 7	6								9.4289	
titik 9	6									9.9629
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

sepuluh_opp_cpp

Duncan

titik	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
titik nol	6	6.7417								
titik 1	6		7.3373							
titik 2	6			7.8882						
titik 3	6				8.3308					
titik 4	6					8.9991				
titik 5	6						9.8644			
titik 6	6							10.0549		
titik 7	6								11.0172	
titik 9	6									11.2035
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

sepuluh_opp_cpp_m

Duncan

titik	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
titik nol	6	6.7417								
titik 1	6		7.1998							
titik 2	6			7.4017						
titik 3	6				7.7066					
titik 4	6					8.0782				
titik 5	6						8.3017			
titik 6	6							8.4621		
titik 7	6								8.6755	
titik 9	6									9.1225
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

Lampiran 4. Uji Statistik Aktivitas Antioksidan Mie Instan Kering selama Penyimpanan

Tests of Normality(b,c,d,e,f,g,h)

	kemasan	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
minggu_nol	0% opp/cpp	.271	6	.191	.875	6	.249
	0% opp/cpp/metalized	.271	6	.191	.875	6	.249
	10% opp/cpp	.301	6	.095	.833	6	.114
	10% opp/cpp/metalized	.301	6	.095	.833	6	.114
minggu_satu	0% opp/cpp	.167	6	.200(*)	.954	6	.773
	0% opp/cpp/metalized	.208	6	.200(*)	.908	6	.425
	10% opp/cpp	.161	6	.200(*)	.919	6	.501
	10% opp/cpp/metalized	.185	6	.200(*)	.974	6	.918
minggu_dua	0% opp/cpp	.200	6	.200(*)	.958	6	.801
	0% opp/cpp/metalized	.198	6	.200(*)	.967	6	.875
	10% opp/cpp	.176	6	.200(*)	.955	6	.783
	10% opp/cpp/metalized	.211	6	.200(*)	.922	6	.516
minggu_tiga	0% opp/cpp	.185	6	.200(*)	.911	6	.441
	0% opp/cpp/metalized	.220	6	.200(*)	.884	6	.290
	10% opp/cpp	.212	6	.200(*)	.959	6	.813
	10% opp/cpp/metalized	.261	6	.200(*)	.856	6	.175
minggu_empat	0% opp/cpp	.226	6	.200(*)	.905	6	.404
	0% opp/cpp/metalized	.258	6	.200(*)	.940	6	.659
	10% opp/cpp	.303	6	.091	.786	6	.043
	10% opp/cpp/metalized	.236	6	.200(*)	.860	6	.189
minggu_lima	0% opp/cpp/metalized	.204	6	.200(*)	.918	6	.493
	10% opp/cpp	.291	6	.122	.900	6	.377
	10% opp/cpp/metalized	.154	6	.200(*)	.955	6	.777
minggu_enam	10% opp/cpp	.151	6	.200(*)	.961	6	.830
	10% opp/cpp/metalized	.212	6	.200(*)	.941	6	.670
minggu_tujuh	10% opp/cpp	.203	6	.200(*)	.973	6	.913
	10% opp/cpp/metalized	.270	6	.197	.892	6	.331
minggu_sembilan	10% opp/cpp	.212	6	.200(*)	.933	6	.607
	10% opp/cpp/metalized	.223	6	.200(*)	.908	6	.421

* This is a lower bound of the true significance.
a Lilliefors Significance Correction
b minggu_lima is constant when kemasan = 0% opp/cpp. It has been omitted.
c minggu_enam is constant when kemasan = 0% opp/cpp. It has been omitted.
d minggu_tujuh is constant when kemasan = 0% opp/cpp. It has been omitted.
e minggu_sembilan is constant when kemasan = 0% opp/cpp. It has been omitted.
f minggu_enam is constant when kemasan = 0% opp/cpp/metalized. It has been omitted.
g minggu_tujuh is constant when kemasan = 0% opp/cpp/metalized. It has been omitted.
h minggu_sembilan is constant when kemasan = 0% opp/cpp/metalized. It has been omitted

minggu_nol

Duncan

kemasan	N	Subset for alpha = .05	
		1	2
0% opp/cpp	6	.8563	
0% opp/cpp/metalized	6	.8563	
10% opp/cpp	6		7.3250
10% opp/cpp/metalized	6		7.3250
Sig.		1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_empat

Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
0% opp/cpp	6	.0996		
0% opp/cpp/metalized	6	.1853		
10% opp/cpp	6		3.9500	
10% opp/cpp/metalized	6			5.5834
Sig.		.603	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_dua

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
0% opp/cpp	6	.4738			
0% opp/cpp/metalized	6		.6362		
10% opp/cpp	6			6.1404	
10% opp/cpp/metalized	6				6.6845
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_lima

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
0% opp/cpp	6	.0000			
0% opp/cpp/metalized	6		.0923		
10% opp/cpp	6			3.6098	
10% opp/cpp/metalized	6				4.9198
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_tiga

Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
0% opp/cpp	6	.4205		
0% opp/cpp/metalized	6	.5314		
10% opp/cpp	6		5.1780	
10% opp/cpp/metalized	6			5.8866
Sig.		.169	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_enam

Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
0% opp/cpp	6	.0000		
0% opp/cpp/metalized	6	.0000		
10% opp/cpp	6		2.3359	
10% opp/cpp/metalized	6			3.5216
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000

.

minggu_tujuh
Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
0% opp/cpp	6	.0000		
0% opp/cpp/metalized	6	.0000		
10% opp/cpp	6		1.3465	
10% opp/cpp/metalized	6			2.5391
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_sembilan
Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
0% opp/cpp	6	.0000		
0% opp/cpp/metalized	6	.0000		
10% opp/cpp	6		.1699	
10% opp/cpp/metalized	6			.9110
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000

nol_opp_cpp

Duncan

titik	N	Subset for alpha = .05					
		1	2	3	4	5	6
titik 5	6	.0000					
titik 6	6	.0000					
titik 7	6	.0000					
titik 9	6	.0000					
titik 4	6		.0996				
titik 3	6			.4205			
titik 2	6				.4738		
titik 1	6					.7514	
titik nol	6						.8563
Sig.		1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

nol_opp_cpp_m

Duncan

titik	N	Subset for alpha = .05					
		1	2	3	4	5	6
titik 6	6	.0000					
titik 7	6	.0000					
titik 9	6	.0000					
titik 5	6		.0923				
titik 4	6			.1853			
titik 3	6				.5314		
titik 2	6					.6362	
titik 1	6						.8340
titik nol	6						.8563
Sig.		1.000	1.000	1.000	1.000	1.000	.263

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

sepuluh_opp_cpp

Duncan

titik	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
titik 9	6	.1699								
titik 7	6		1.3465							
titik 6	6			2.3359						
titik 5	6				3.6098					
titik 4	6					3.9500				
titik 3	6						5.1780			
titik 2	6							6.1404		
titik 1	6								6.9997	
titik nol	6									7.3250
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

sepuluh_opp_cpp_m

Duncan

titik	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
titik 9	6	.9110								
titik 7	6		2.5391							
titik 6	6			3.5216						
titik 5	6				4.9198					
titik 4	6					5.5834				
titik 3	6						5.8866			
titik 2	6							6.6845		
titik 1	6								7.1090	
titik nol	6									7.3250
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

Lampiran 5. Uji Statistik Angka TBA Mie Instan Kering selama Penyimpanan

Tests of Normality

	kemasan	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
minggu_nol	0% opp/cpp	.193	6	.200(*)	.927	6	.554
	0% opp/cpp/metalized	.193	6	.200(*)	.927	6	.554
	10% opp/cpp	.185	6	.200(*)	.963	6	.846
	10% opp/cpp/metalized	.185	6	.200(*)	.963	6	.846
minggu_satu	0% opp/cpp	.157	6	.200(*)	.976	6	.927
	0% opp/cpp/metalized	.174	6	.200(*)	.948	6	.728
	10% opp/cpp	.167	6	.200(*)	.978	6	.944
	10% opp/cpp/metalized	.232	6	.200(*)	.887	6	.303
minggu_dua	0% opp/cpp	.290	6	.127	.841	6	.134
	0% opp/cpp/metalized	.232	6	.200(*)	.903	6	.391
	10% opp/cpp	.181	6	.200(*)	.950	6	.743
	10% opp/cpp/metalized	.196	6	.200(*)	.964	6	.853
minggu_tiga	0% opp/cpp	.164	6	.200(*)	.968	6	.880
	0% opp/cpp/metalized	.193	6	.200(*)	.918	6	.493
	10% opp/cpp	.157	6	.200(*)	.954	6	.774
	10% opp/cpp/metalized	.208	6	.200(*)	.903	6	.392
minggu_empat	0% opp/cpp	.304	6	.087	.871	6	.229
	0% opp/cpp/metalized	.169	6	.200(*)	.956	6	.790
	10% opp/cpp	.317	6	.059	.871	6	.232
	10% opp/cpp/metalized	.190	6	.200(*)	.976	6	.929
minggu_lima	0% opp/cpp	.243	6	.200(*)	.899	6	.366
	0% opp/cpp/metalized	.233	6	.200(*)	.915	6	.472
	10% opp/cpp	.233	6	.200(*)	.870	6	.224
	10% opp/cpp/metalized	.238	6	.200(*)	.843	6	.139
minggu_enam	0% opp/cpp	.299	6	.100	.851	6	.161
	0% opp/cpp/metalized	.273	6	.184	.871	6	.231
	10% opp/cpp	.242	6	.200(*)	.930	6	.578
	10% opp/cpp/metalized	.179	6	.200(*)	.948	6	.726
minggu_tujuh	0% opp/cpp	.117	6	.200(*)	.995	6	.998
	0% opp/cpp/metalized	.150	6	.200(*)	.993	6	.996
	10% opp/cpp	.141	6	.200(*)	.968	6	.876
	10% opp/cpp/metalized	.182	6	.200(*)	.948	6	.722
minggu_sembilan	0% opp/cpp	.212	6	.200(*)	.939	6	.649
	0% opp/cpp/metalized	.315	6	.063	.850	6	.157
	10% opp/cpp	.189	6	.200(*)	.965	6	.854
	10% opp/cpp/metalized	.282	6	.147	.891	6	.325

* This is a lower bound of the true significance.
a Lilliefors Significance Correction

minggu_nol

Duncan

kemasan	N	Subset for alpha = .05	
		1	2
0% opp/cpp	6	.0486	
0% opp/cpp/metalized	6	.0486	
10% opp/cpp	6		.0629
10% opp/cpp/metalized	6		.0629
Sig.		1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_satu

Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
10% opp/cpp/metalized	6	.0879		
10% opp/cpp	6		.1108	
0% opp/cpp/metalized	6		.1173	
0% opp/cpp	6			.1491
Sig.		1.000	.050	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_dua

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/metalized	6	.1327			
10% opp/cpp	6		.1438		
0% opp/cpp/metalized	6			.1950	
0% opp/cpp	6				.2137
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_tiga

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/metalized	6	.1643			
10% opp/cpp	6		.1806		
0% opp/cpp/metalized	6			.2171	
0% opp/cpp	6				.2525
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_empat

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/metalized	6	.1889			
10% opp/cpp	6		.2150		
0% opp/cpp/metalized	6			.2638	
0% opp/cpp	6				.3002
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_lima

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/metalized	6	.2126			
10% opp/cpp	6		.2388		
0% opp/cpp/metalized	6			.2861	
0% opp/cpp	6				.3409
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_enam

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/metalized	6	.2428			
10% opp/cpp	6		.2950		
0% opp/cpp/metalized	6			.3367	
0% opp/cpp	6				.3918
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_tujuh

Duncan

kemasan	N	Subset for alpha = .05			
		1	2	3	4
10% opp/cpp/metalized	6	.3017			
10% opp/cpp	6		.3257		
0% opp/cpp/metalized	6			.3576	
0% opp/cpp	6				.4163
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

minggu_sembilan

Duncan

kemasan	N	Subset for alpha = .05		
		1	2	3
10% opp/cpp/metalized	6	.3485		
10% opp/cpp	6		.4008	
0% opp/cpp/metalized	6		.4021	
0% opp/cpp	6			.5034
Sig.		1.000	.661	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.00

nol_opp_cpp

Duncan

titik	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
titik nol	6	.0500								
titik 1	6		.1483							
titik 2	6			.2167						
titik 3	6				.2517					
titik 4	6					.3000				
titik 5	6						.3383			
titik 6	6							.3917		
titik 7	6								.4150	
titik 9	6									.5050
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

nol_opp_cpp_m

Duncan

titik	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
titik nol	6	.0500								
titik 1	6		.1183							
titik 2	6			.1967						
titik 3	6				.2183					
titik 4	6					.2633				
titik 5	6						.2867			
titik 6	6							.3367		
titik 7	6								.3567	
titik 9	6									.4017
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

sepuluh_opp_cpp

Duncan

titik	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
titik nol	6	.0617								
titik 1	6		.1100							
titik 2	6			.1450						
titik 3	6				.1783					
titik 4	6					.2167				
titik 5	6						.2367			
titik 6	6							.2967		
titik 7	6								.3267	
titik 9	6									.4000
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

sepuluh_opp_cpp_m

Duncan

titik	N	Subset for alpha = .05							
		1	2	3	4	5	6	7	8
titik nol	6	.0617							
titik 1	6		.0883						
titik 2	6			.1317					
titik 3	6				.1633				
titik 4	6					.1900			
titik 5	6						.2117		
titik 6	6							.2433	
titik 7	6							.2433	
titik 9	6								.3033
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a Uses Harmonic Mean Sample Size = 6.000.

Lampiran 6. Analisa Statistik Uji Sensori

Tests of Normality

	konsentrasi	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
rasa	kontrol	.301	50	.000	.741	50	.000
	10%	.273	50	.000	.857	50	.000
	15%	.186	50	.000	.857	50	.000
	20%	.270	50	.000	.843	50	.000
aroma	kontrol	.225	50	.000	.804	50	.000
	10%	.188	50	.000	.870	50	.000
	15%	.188	50	.000	.854	50	.000
	20%	.250	50	.000	.846	50	.000
warna	kontrol	.354	50	.000	.697	50	.000
	10%	.270	50	.000	.850	50	.000
	15%	.299	50	.000	.844	50	.000
	20%	.380	50	.000	.665	50	.000
tekstur	kontrol	.331	50	.000	.710	50	.000
	10%	.250	50	.000	.867	50	.000
	15%	.273	50	.000	.857	50	.000
	20%	.311	50	.000	.759	50	.000
kekenyalan	kontrol	.251	50	.000	.807	50	.000
	10%	.258	50	.000	.848	50	.000
	15%	.286	50	.000	.849	50	.000
	20%	.256	50	.000	.805	50	.000

a Lilliefors Significance Correction

Test Statistics(a,b)

	rasa	aroma	warna	tekstur	kekenyalan
Chi-Square	13.277	6.782	46.391	38.813	16.843
df	3	3	3	3	3
Asymp. Sig.	.004	.079	.000	.000	.001

a Kruskal Wallis Test

b Grouping Variable: konsentrasi

KONTROL VS 10

Test Statistics(a)

	rasa	warna	tekstur	kekenyalan
Mann-Whitney U	1167.000	1007.500	924.500	1118.000
Wilcoxon W	2442.000	2282.500	2199.500	2393.000
Z	-.596	-1.762	-2.363	-.950
Asymp. Sig. (2-tailed)	.551	.078	.018	.342

a Grouping Variable: konsentrasi

KONTROL VS 15

Test Statistics(a)

	rasa	warna	tekstur	kekenyalan
Mann-Whitney U	981.000	777.500	632.500	805.500
Wilcoxon W	2256.000	2052.500	1907.500	2080.500
Z	-1.929	-3.389	-4.413	-3.177
Asymp. Sig. (2-tailed)	.054	.001	.000	.001

a Grouping Variable: konsentrasi

KONTROL VS 20

Test Statistics(a)

	rasa	warna	tekstur	kekenyalan
Mann-Whitney U	902.000	565.000	593.000	826.500
Wilcoxon W	2177.000	1840.000	1868.000	2101.500
Z	-2.493	-5.048	-4.755	-3.030
Asymp. Sig. (2-tailed)	.013	.000	.000	.002

a Grouping Variable: konsentrasi

10 VS 15

Test Statistics(a)

	rasa	warna	tekstur	kekenyalan
Mann-Whitney U	946.000	788.500	760.000	865.500
Wilcoxon W	2221.000	2063.500	2035.000	2140.500
Z	-2.180	-3.396	-3.547	-2.751
Asymp. Sig. (2-tailed)	.029	.001	.000	.006

a Grouping Variable: konsentrasi

10 VS 20

Test Statistics(a)

	rasa	warna	tekstur	kekenyalan
Mann-Whitney U	771.000	469.000	664.500	902.500
Wilcoxon W	2046.000	1744.000	1939.500	2177.500
Z	-3.434	-5.603	-4.184	-2.483
Asymp. Sig. (2-tailed)	.001	.000	.000	.013

a Grouping Variable: konsentrasi

15 VS 20

Test Statistics(a)

	rasa	warna	tekstur	kekenyalan
Mann-Whitney U	1127.000	666.000	992.500	1171.000
Wilcoxon W	2402.000	1941.000	2267.500	2446.000
Z	-.884	-4.238	-1.868	-.568
Asymp. Sig. (2-tailed)	.377	.000	.062	.570

a Grouping Variable: konsentrasi

Lampiran 7. Hasil Uji Sensori Mie Instan Kering

Parameter	Perlakuan	4	3	2	1	Rata rata
Overall Rasa	0%	24	6	5	15	2.78
	10%	11	22	10	6	2.78
	15%	9	13	12	16	2.32
	20%	6	9	23	13	2.12
Overall Warna	0%	29	6	4	11	3.06
	10%	11	25	12	2	2.9
	15%	3	15	25	5	2.36
	20%	9	8	19	14	1.68
Overall Aroma	0%	18	14	5	13	2.74
	10%	13	15	14	8	2.66
	15%	10	13	12	15	2.36
	20%	9	8	19	14	2.24
Overall Tekstur	0%	28	10	3	9	3.14
	10%	11	22	13	4	2.8
	15%	4	11	24	11	2.16
	20%	7	7	10	26	1.9
Kekenyalan	0%	21	12	8	9	2.9
	10%	13	20	7	9	2.74
	15%	6	8	25	11	2.2
	20%	10	9	10	21	2.16

Keterangan :
0% : kontrol mie instan kering (100% tepung terigu)
10% : mie instan kering dengan komposisi 10% bekatul padi dan 90% tepung terigu
15% : mie instan kering dengan komposisi 15% bekatul padi dan 85% tepung terigu
20% : mie instan kering dengan komposisi 10% bekatul padi dan 80% tepung terigu

Parameter

Rasa :
1. tidak suka
2. kurang suka
3. agak suka
4. suka

Warna :
1. tidak suka
2. kurang suka
3. agak suka
4. suka

Aroma :
1. tidak suka
2. kurang suka
3. agak suka
4. suka

Tekstur :
1. tidak suka
2. kurang suka
3. agak suka
4. suka

Kekenyalan :
1. tidak suka
2. kurang suka
3. agak suka
4. suka

Lampiran 8. Syarat Mutu Mie Instan Menurut SNI

No	Uraian	Satuan	Persyaratan
1	Keadaan		
	1.1. Bau		Normal
	1.2. Rasa		Normal
	1.3. Warna		Normal
2	Benda asing		Tidak boleh ada
3	Keutuhan	%	Min 85
4	Uji kematangan (mie:air = 1:5)	Menit	Maks 4
5	Kelembaban	%	Maks 8
6	Protein	%	Min 8
7	Derajat asam	ml NaOH/100gr	Maks 3
8	Bahan tambahan makanan		Sesuai SNI 022-M dan Permenkes 722/Menkes/Per/IX/88
9	Cemaran logam		
	a. Timbal (Pb)	mg/kg	Maks 1,0
	b. Tembaga (Cu)	mg/kg	Maks 10,0
	c. Seng (Zn)	mg/kg	Maks 0,05
10	Arsen		Tidak boleh ada
11	Cemaran mikrobia		
	a. Angka lempeng total	koloni/g	Maks $1,0 \times 10^6$
	b. Coliform	APM/g	<3
	c. Kapang	Koloni/g	Maks $1,0 \times 10^4$

Sumber: SNI 01-3551-1994, Pusat Standarisasi Industri Departemen Pertanian

Lampiran 9. Umur Simpan Berdasarkan Q_{10}

Pada suhu normal (25°C)	Pada suhu 40°C	
Hari	Minggu	Bulan
0	0	0
7	2,83	0,71
14	5,66	1,41
21	8,49	2,12
28	11,31	2,83
35	14,14	3,54
42	16,97	4,24
49	19,80	4,95
56	22,63	5,66
63	25,46	6,36

Lampiran 10. *Worksheet* dan Kuesioner Uji Ranking Hedonic

WORKSHEET UJI RANKING HEDONIK

Tanggal Pengujian :
Jenis Sampel : Mie Instan Kering Yang Telah Direbus
Tujuan : Untuk mengetahui tingkat kesukaan terhadap rasa, warna, tekstur, aroma dan kekenyalan mie instan kering bekatul

Identifikasi Sampel	Kode
Mie kering dengan konsentrasi tepung terigu 100% dan tepung bekatul 0%	A
Mie kering dengan konsentrasi tepung terigu 90% dan tepung bekatul 10%	B
Mie kering dengan konsentrasi tepung terigu 85% dan tepung bekatul 15%	C
Mie kering dengan konsentrasi tepung terigu 80% dan tepung bekatul 20%	D

Jenis kombinasi dan urutan penyajian

ACBD = 1	BACD = 6	CABD = 12	DABC = 18
ABDC = 2	BADC = 7	CADB = 13	DACB = 19
ADBC = 3	BCAD = 8	CBAD = 14	DBAC = 20
ACBD = 4	BCDA = 9	CBDA = 15	DBCA = 21
ADCB = 5	BDCA = 10	CDAB = 16	DCAB = 22
	BDAC = 11	CDBA = 17	DCBA = 23

Penyajian

Booth	Panelis	Kode sampel				
I	1	478	316	169	417	1
II	2	445	448	275	918	2
III	3	228	582	793	792	3
IV	4	117	557	644	426	4
I	5	912	258	759	949	5
II	6	477	216	771	316	6
III	7	431	258	537	988	7
IV	8	658	587	615	372	8
I	9	259	741	869	967	9
II	10	968	847	132	193	10
III	11	421	137	286	317	11
IV	12	283	299	923	253	12
I	13	771	481	511	896	13
II	14	214	177	915	611	14
III	15	512	687	811	985	15
IV	16	683	694	437	889	16
I	17	199	593	355	746	17
II	18	222	314	841	519	18
III	19	232	339	477	113	19
IV	20	129	121	533	793	20
I	21	452	774	369	799	21
II	22	818	274	827	617	22
III	23	797	743	117	397	23
IV	24	155	159	363	486	1
I	25	938	332	665	522	2

II	26	544	127	445	792	3
III	27	375	233	747	573	4
IV	28	475	882	874	871	5
I	29	975	174	453	276	6
II	30	227	881	161	313	7
III	31	848	787	193	927	8
IV	32	536	358	559	633	9
I	33	524	723	951	529	10
II	34	143	449	532	789	11
III	35	984	255	194	333	12
IV	36	837	744	376	312	13
I	37	323	866	562	259	14
II	38	165	513	788	911	15
III	39	446	376	114	233	16
IV	40	335	122	982	415	17
I	41	377	817	434	999	18
II	42	168	715	556	996	19
III	43	647	559	594	448	20
IV	44	882	661	477	223	21
I	45	295	926	151	437	22
II	46	694	857	721	662	23
III	47	655	215	143	883	1
IV	48	425	777	313	637	2
I	49	512	158	594	841	3
II	50	931	137	921	857	4

Rekap Kode Sampel

Sampel A	478 445 228 117 912 216 258 615 967 193 286 299 481 915 98 437 746 314 339 533 799 827 397 155 938 544 375 475 174 88 193 633 529 532 255 744 562 911 114 415 817 715 594 223 15 662 655 425 512 931
Sampel B	169 448 793 644 949 477 431 658 259 968 421 923 896 177 687 889 355 841 113 121 774 617 117 363 332 445 747 871 975 227 848 536 524 143 194 312 866 513 233 982 434 996 559 661 437 721 143 777 594 921
Sampel C	316 918 792 557 759 771 988 587 741 132 317 283 771 214 512 683 199 519 477 793 369 274 743 159 522 792 233 874 453 313 787 358 951 789 984 837 323 165 446 335 999 594 448 477 926 857 215 637 841 921
Sampel D	417 275 582 426 258 316 537 372 869 847 137 253 511 611 811 694 593 222 232 129 452 818 797 486 665 127 573 882 276 161 927 559 723 449 333 376 259 788 376 122 377 168 647 882 295 694 883 313 158 857

UJI RANKING HEDONIK

Nama/HP :
Tanggal uji :
Produk : Mie Instan Kering setelah direbus
Atribut : *Overall* aroma

Intruksi
Dihadapan Anda terdapat 4 sampel mie instan kering yang telah direbus. Baulah dari kiri ke kanan sesering yang Anda perlukan. Berikanlah jeda waktu sekitar 30 detik sebelum Anda mulai membau sampel yang lain. Urutkanlah sampel dari yang paling anda tidak suka (=1) hingga sampel yang paling anda suka (= 4) sesuai dengan tingkat kesukaan Anda terhadap aroma mie kering ini.
Antar sampel tidak boleh memiliki nilai yang sama

Kode sampel	Ranking
……..	.....
……	.....
……	.....
……	.....

Terima Kasih dan Tuhan Memberkati

UJI RANKING HEDONIK

Nama/HP :
Tanggal uji :
Produk : Mie Instan Kering setelah direbus
Atribut : *Overall* warna
Intruksi
Dihadapan Anda terdapat 4 sampel mie instan kering yang telah direbus. Amati dari kiri ke kanan sesering yang Anda perlukan. Urutkanlah sampel dari yang paling anda tidak suka (=1) hingga sampel yang paling anda suka (= 4) sesuai dengan tingkat kesukaan Anda terhadap warna mie instan kering ini.
Antar sampel tidak boleh memiliki nilai yang sama

Kode sampel	Ranking
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Terima Kasih dan Tuhan Memberkati

UJI RANKING HEDONIK

Nama/HP :
Tanggal uji :
Produk : Mie Instan Kering setelah direbus
Atribut : Kekenyalan

Intruksi
Dihadapan Anda terdapat 4 sampel mie instan kering yang telah direbus. Kunyahlah sampel dengan gigi graham. Kunyahlah sampel dari kiri ke kanan sesering yang Anda perlukan. Setiap kali akan mengunyah sampel yang berbeda berkumurlah dengan air tawar sekitar 30 detik. Urutkanlah sampel dari yang paling anda tidak suka (=1) hingga sampel yang paling anda suka (= 4) sesuai dengan tingkat kesukaan Anda terhadap kekenyalan mie instan kering ini. Antar sampel tidak boleh memiliki nilai yang sama

Kode sampel	Ranking
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Terima Kasih dan Tuhan Memberkati

UJI RANKING HEDONIK

Nama :
Tanggal uji :
Produk : Mie instan kering setelah direbus
Atribut : *Overall* rasa

Intruksi
Dihadapan Anda terdapat 4 sampel mie instan kering yang telah direbus. Cicipilah dari kiri ke kanan sesering yang Anda perlukan. Setiap kali akan mencicipi sampel yang berbeda berkumurlah dengan air tawar sekitar 30 detik. Urutkanlah sampel dari yang paling anda tidak suka (=1) hingga sampel yang paling anda suka (= 4) sesuai dengan tingkat kesukaan Anda terhadap rasa mie instan kering ini. Antar sampel tidak boleh memiliki nilai yang sama

Kode sampel	Ranking
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……	.....

Terima Kasih dan Tuhan Memberkati

UJI RANKING HEDONIK

Nama/HP :
Tanggal uji :
Produk : Mie instan kering setelah direbus
Atribut : *Overall* Tekstur

Intruksi
Dihadapan Anda terdapat 4 sampel mie instan kering yang telah direbus. Cicipilah dari kiri ke kanan sesering yang Anda perlukan. Setiap kali akan mencicipi sampel yang berbeda berkumurlah dengan air tawar sekitar 30 detik. Urutkanlah sampel dari yang paling anda tidak suka (=1) hingga sampel yang paling anda suka (= 4) sesuai dengan tingkat kesukaan Anda terhadap tekstur mie kering ini.
Antar sampel boleh memiliki nilai yang sama

Kode sampel	Ranking
……..	.....
……	.....
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……	.....

Terima Kasih dan Tuhan Memberkati

Lampiran 11. Harga Pokok Produksi Mie Instan Kering Bekatul

Biaya		0%		10%		15%		20%	
Bahan	Harga/kg	Berat (kg)	Harga	Berat (kg)	Harga	Berat (kg)	Harga	Berat (kg)	Harga
Tepung terigu	Rp 12.500	1.00	Rp 12.500	0.90	Rp 11.250	0.85	Rp 10.625	0.80	Rp 10.000
Bekatul padi	Rp 1.500	-		0.10	Rp 150	0.15	Rp 225	0.20	Rp 300
Telur	Rp 14.000	0.10	Rp 1.400	0.10	Rp 1.400	0.10	Rp 1.400	0.10	Rp 1.400
Yield		10 buah@80gram		10 buah@80gram		10 buah@80gram		10 buah@80gram	
Total biaya		Rp 13.900		Rp 12.800		Rp 12.250		Rp 11.700	
Harga/80 gr		Rp 1.390		Rp 1.280		Rp 1.225		Rp 1.170	

Biaya		0%	10%	15%	20%
Kemasan	Harga	Total biaya/80gr	Total biaya/80gr	Total biaya/80gr	Total biaya/80gr
OPP_{20}/CPP_{30}	Rp 200	Rp 1.590	Rp 1.480	Rp 1.425	Rp 1.370
$OPP_{20}/CPP\ Met_{30}$	Rp 350	Rp 1.740	Rp 1.630	Rp 1.575	Rp 1.520

Bahan habis pakai	Harga/ 80gr	0%		10%		15%		20%	
		OPP_{20}/CPP_{30}	$OPP_{20}/CPP\ Met_{30}$	OPP_{20}/CPP_{30}	$OPP_{20}/CPP\ Met_{30}$	OPP_{20}/CPP_{30}	$OPP_{20}/CPP\ Met_{30}$	OPP_{20}/CPP_{30}	$OPP_{20}/CPP\ Met_{30}$
Bumbu*	Rp 100	Rp 1.690	Rp 1.840	Rp 1.580	Rp 1.730	Rp 1.525	Rp 1.675	Rp 1.470	Rp 1.620

Biaya lain	0%		10%		15%		20%	
	OPP_{20}/CPP_{30}	$OPP_{20}/CPP\ Met_{30}$	OPP_{20}/CPP_{30}	$OPP_{20}/CPP\ Met_{30}$	OPP_{20}/CPP_{30}	$OPP_{20}/CPP\ Met_{30}$	OPP_{20}/CPP_{30}	Opp/cpp/ *metallized*
Fix cost**	Rp 84,5	Rp 92	Rp 79	Rp 86,5	Rp 76,25	Rp 83,75	Rp 73,5	Rp 81
Variable cost**	Rp 84,5	Rp 92	Rp 79	Rp 86,5	Rp 76,25	Rp 83,75	Rp 73,5	Rp 81
Total biaya/80gr	Rp 1.859	Rp 2.024	Rp 1.738	Rp 1.903	Rp 1.677,5	Rp 1.842,5	Rp 1.617	Rp 1.782

Keterangan : * Bumbu, diasumsikan seharga Rp 80
** Diasumsikan sebesar 5% dari total biaya produk
- Diasumsikan alat telah tersedia